Gongwen Wang

List of Publications by Year
in descending order

59 papers	1,005 citations	430754 18 h-index	477173 29 g-index
60 all docs	60 docs citations	60 times ranked	513 citing authors

#	Article	IF	Citations
1	Three-Dimensional Pseudo-Lithologic Modeling Via Adaptive Feature Weighted k-Means Algorithm from Multi-Source Geophysical Datasets, Qingchengzi Pb–Zn–Ag–Au District, China. Natural Resources Research, 2022, 31, 2163-2179.	2.2	4
2	Applications of Radial Basis Functional Link Networks in the Exploration for Lala Copper Deposits in Sichuan Province, China. Minerals (Basel, Switzerland), 2022, 12, 352.	0.8	1
3	Geological and geochemical characteristics of the Wulong gold deposit, Liaodong Peninsula: Implications for gold mineralization. Ore Geology Reviews, 2022, 144, 104850.	1.1	4
4	3D Multi-Parameter Geological Modeling and Knowledge Findings for Mo Oxide Orebodies in the Shangfanggou Porphyry–Skarn Mo (–Fe) Deposit, Henan Province, China. Minerals (Basel,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 61	0.8	10
5	3D mineral exploration targeting with multi-dimensional geoscience datasets, Tongling Cu(-Au) District, China. Journal of Geochemical Exploration, 2021, 221, 106702.	1.5	5
6	Mineral Identification Based on Deep Learning That Combines Image and Mohs Hardness. Minerals (Basel, Switzerland), 2021, 11, 506.	0.8	24
7	A stacking methodology of machine learning for 3D geological modeling with geological-geophysical datasets, Laochang Sn camp, Gejiu (China). Computers and Geosciences, 2021, 151, 104754.	2.0	34
8	Genesis and fluid evolution of the Yuku porphyry Mo deposit, East Qinling orogen, China. Geological Journal, 2021, 56, 4380-4400.	0.6	5
9	Resource prediction and assessment based on 3D/4D big data modeling and deep integration in key ore districts of North China. Science China Earth Sciences, 2021, 64, 1590-1606.	2.3	10
10	Bagging-based positive-unlabeled learning algorithm with Bayesian hyperparameter optimization for three-dimensional mineral potential mapping. Computers and Geosciences, 2021, 154, 104817.	2.0	19
11	Tungsten mineralisation in the Zhazigou W–(Mo) deposit, Henan Province, China: Constraints from scheelite geochemistry and molybdenite geochronology. Ore Geology Reviews, 2021, 136, 104248.	1.1	4
12	Genesis and hydrothermal evolution of the Zhazigou skarn W (Mo) deposit, East Qinling, China: Constraints from fluid inclusions and H–O–S–Pb isotopes. Ore Geology Reviews, 2021, 138, 104374.	1.1	7
13	Resource-environment joint forecasting using big data mining and 3D/4D modeling in Luanchuan mining district, China. Earth Sciences and Subsoil Use, 2021, 44, 219-242.	0.1	0
14	Using Collaborative Edge-Cloud Cache for Search in Internet of Things. IEEE Internet of Things Journal, 2020, 7, 922-936.	5.5	14
15	Batholith-stock scale exploration targeting based on multi-source geological and geophysical datasets in the Luanchuan Mo polymetallic district, China. Ore Geology Reviews, 2020, 118, 103225.	1.1	14
16	Multi-scale Numerical Simulation and 3D Modeling for Deep Mineral Exploration in the Jiaojia Gold District, China. Natural Resources Research, 2020, 29, 415-438.	2.2	13
17	3D geological modelling and uncertainty analysis for 3D targeting in Shanggong gold deposit (China). Journal of Geochemical Exploration, 2020, 210, 106442.	1.5	18
18	A Multi-Model Ensemble Approach for Gold Mineral Prospectivity Mapping: A Case Study on the Beishan Region, Western China. Minerals (Basel, Switzerland), 2020, 10, 1126.	0.8	6

#	Article	IF	Citations
19	From 2D to 3D Modeling of Mineral Prospectivity Using Multi-source Geoscience Datasets, Wulong Gold District, China. Natural Resources Research, 2020, 29, 345-364.	2.2	20
20	Multi-parameter Analysis of Local Singularity Mapping and Its Application to Identify Geochemical Anomalies in the Xishan Gold Deposit, North China. Natural Resources Research, 2020, 29, 3425-3442.	2.2	5
21	Extraction of Mineralization-Related Anomalies from Gravity and Magnetic Potential Fields for Mineral Exploration Targeting: Tongling Cu(â€"Au) District, China. Natural Resources Research, 2019, 28, 461-486.	2.2	14
22	In situ major and trace element compositions of apatites from Luanchuan orecluster: Implications for porphyry Mo mineralization. Ore Geology Reviews, 2019, 115, 103174.	1.1	16
23	Metallogenic model of the Wulong gold district, China, and associated assessment of exploration criteria based on multi-scale geoscience datasets. Ore Geology Reviews, 2019, 114, 103138.	1.1	24
24	Multiple level prospectivity mapping based on 3D GIS and multiple geoscience dataset analysis: a case study in Luanchuan Pb-Zn district, China. Arabian Journal of Geosciences, 2019, 12, 1.	0.6	2
25	3D geochemical modeling for subsurface targets of Dashui Au deposit in Western Qinling (China). Journal of Geochemical Exploration, 2019, 203, 59-77.	1.5	16
26	Late Mesozoic magmatism in the East Qinling Orogen, China and its tectonic implications. Geoscience Frontiers, 2019, 10, 1803-1821.	4.3	45
27	A combined approach using spatially-weighted principal components analysis and wavelet transformation for geochemical anomaly mapping in the Dashui ore-concentration district, Central China. Journal of Geochemical Exploration, 2019, 197, 228-237.	1.5	8
28	Geochemistry and geochronology of ore-bearing and barren intrusions in the Luanchuan ore fields of East Qinling metallogenic belt, China: Diverse tectonic evolution and implications for mineral exploration. Journal of Asian Earth Sciences, 2018, 157, 57-77.	1.0	37
29	Interactive 3D Modeling by Integration of Geoscience Datasets for Exploration Targeting in Luanchuan Mo Polymetallic District, China. Natural Resources Research, 2018, 27, 315-346.	2.2	13
30	Remote sensing and GIS prospectivity mapping for magmatic-hydrothermal base- and precious-metal deposits in the Honghai district, China. Journal of African Earth Sciences, 2017, 128, 97-115.	0.9	24
31	Delineation of potential exploration targets based on 3D geological modeling: A case study from the Laoangou Pb-Zn-Ag polymetallic ore deposit, China. Ore Geology Reviews, 2017, 89, 228-252.	1.1	19
32	Integration of multi-source and multi-scale datasets for 3D structural modeling for subsurface exploration targeting, Luanchuan Mo-polymetallic district, China. Journal of Applied Geophysics, 2017, 139, 269-290.	0.9	21
33	GIS prospectivity mapping and 3D modeling validation for potential uranium deposit targets in Shangnan district, China. Journal of African Earth Sciences, 2017, 128, 161-175.	0.9	5
34	Timing of formation of the Hongdonggou Pb-Zn polymetallic ore deposit, Henan Province, China: Evidence from Rb-Sr isotopic dating of sphalerites. Geoscience Frontiers, 2017, 8, 605-616.	4.3	34
35	Typomorphic characteristics of pyrite: Criteria for 3D exploration targeting in the xishan gold deposit, China. Journal of Geochemical Exploration, 2016, 164, 136-163.	1.5	16
36	GeoCube: A 3D mineral resources quantitative prediction and assessment system. Computers and Geosciences, 2016, 89, 161-173.	2.0	26

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37	3D geological modeling for prediction of subsurface Mo targets in the Luanchuan district, China. Ore Geology Reviews, 2015, 71, 592-610.	1.1	93
38	Zircon U–Pb and molybdenite Re–Os geochronology, and whole-rock geochemistry of the Hashitu molybdenum deposit and host granitoids, Inner Mongolia, NE China. Journal of Asian Earth Sciences, 2014, 79, 144-160.	1.0	67
39	Geochemistry and zircon U–Pb geochronology of the Pulang complex, Yunnan province, China. Journal of Earth System Science, 2014, 123, 875-885.	0.6	11
40	Remote sensing and GIS-based prediction and assessment of copper-gold resources in Thailand. IOP Conference Series: Earth and Environmental Science, 2014, 17, 012176.	0.2	1
41	3D-GIS Analysis for Mineral Resources Exploration in Luanchuan, China. Lecture Notes in Earth System Sciences, 2014, , 295-298.	0.5	0
42	Quantitative assessment of mineral resources by combining geostatistics and fractal methods in the Tongshan porphyry Cu deposit (China). Journal of Geochemical Exploration, 2013, 134, 85-98.	1.5	33
43	Study on Information Extraction Method of Land Use and Cover Based on Remote Sensing Technology. , 2012, , .		0
44	Application of fractal models to characterization of vertical distribution of Mo deposits in Henan Province. , 2012, , .		3
45	Application of the multifractal singular value decomposition for delineating geophysical anomalies associated with molybdenum occurrences in the Luanchuan ore field (China). Journal of Applied Geophysics, 2012, 86, 109-119.	0.9	23
46	3D Geological Modeling of Pulang Copper Deposit, Yunnan Province of China. , 2012, , .		0
47	3D geological modeling based on gravitational and magnetic data inversion in the Luanchuan ore region, Henan Province, China. Journal of Applied Geophysics, 2012, 80, 1-11.	0.9	42
48	Mapping of district-scale potential targets using fractal models. Journal of Geochemical Exploration, 2012, 122, 34-46.	1.5	38
49	3D geological modeling for mineral resource assessment of the Tongshan Cu deposit, Heilongjiang Province, China. Geoscience Frontiers, 2012, 3, 483-491.	4.3	49
50	The Structural Information and Alteration Information Extraction and Metallogenic Prognosis in Laos Area. Procedia Environmental Sciences, 2011, 10, 386-391.	1.3	2
51	Mineral potential targeting and resource assessment based on 3D geological modeling in Luanchuan region, China. Computers and Geosciences, 2011, 37, 1976-1988.	2.0	87
52	Probabilistic neural networks and fractal method applied to mineral potential mapping in Luanchuan region, Henan Province, China. , 2010, , .		3
53	Mineral potential mapping based on GIS technology and fractal method. , 2010, , .		0
54	Hydrothermal alteration mapping based on MPH and fractal technologies using ASTER and ETM+ data in Lushi region, Henan Province, China. , 2010, , .		0

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55	Mineral Resource Prediction Based on 3D-GIS and BP Network Technology: A Case of Study in Pulang Copper Deposit, Yunnan Province, China. , 2009, , .		3
56	Dynamic monitoring of mineral resources region: a case study of Huludao, China. Proceedings of SPIE, 2009, , .	0.8	0
57	Mineral Resource Prediction and Assessment of Copper Multi-mineral Deposit Based on GIS Technology in the North of Sanjiang Region, China. Earth Science Frontiers, 2008, 15, 27-32.	0.5	19
58	Monitoring desertification using the integrated CA GIS and RS with AHP-derived weights: a case study of Beijing and its neighboring areas in recent 20 years. , 2007, , .		0
59	Dynamic evolvement of desertification in Beijing and its neighboring areas. , 2003, 4890, 587.		1